COVERAGE NAME: MAPGRIDA

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION:

The MAPGRID layer contains polygons representing 7.5 minute USGS quads. It was mathematically generated as a decimal degree grid and projected into the Albers projection. Longitude and latitude values in both decimal degree and degrees-minutes-seconds, mapnames, and USGS codes are present as polygon attributes. Tics contain decimal degree longitude and latitude values, and are present at all quad corners. This coverage now extends further into the border areas of Oregon, Nevada and Arizona, and includes the irregular quads that occur along the coast.

 VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin:	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees)
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	Mathematic generation
	Names: USGS Geographic Names
	Information System (GNIS)
Source Media:	N/A
Source Projection:	Decimal Degree
Source Units:	Degrees
Source Scale:	N/A
Capture Method:	N/A
Conversion Software:	ARC/INFO rev. 7.0.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10 meters
Number of Features:	3,049
Layer Size:	4.442 MB
Data Updated:	October 1997

DATA DICTIONARY:

    File Name: MAPGRIDA.PAT
    Recode Length: 101

 NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	LONLATDD	11	11	C	-
36	MAPNAME	31	31	C	-
67	LONGITUDE_SE	9	9	C	-
76	LATITUDE_SE	9	9	C	-
85	USGS100	3	3	C	-
88	USGS250	2	2	C	-
90	OCODE	8	8	C	-
98	STATE1	2	2	C	-
100	STATE2	2	2	C	-

LONLATDD: Character string indicating longitude and latitude of the polygon's south-east corner in decimal degrees.

MAPNAME: Name of the 7.5 minute USGS quad.

LONGITUDE_SE: Longitude of south-east corner in degrees-minutes-seconds.

LATITUDE_SE: Latitude of south-east corner in degrees-minutes-seconds.

USGS100:   Three character USGS code for 1 degree by 30 minute (100K) quad containing the polygon.

USGS250:   Two character USGS code for 2 degree by 1 degree (250K) quad containing the polygon.

OCODE: Eight character USGS code for individual quad sheet.

STATE1:   Mapgrida spills over into adjacent states. STATE1 and STATE2

STATE2:   Indicate which state(s) occur in a particular quad. This is needed because some mapnames are repeated over state boundaries.

DATA DICTIONARY:

File Name: MAPGRIDA.TIC
Record Length: 36

Non-standard TIC attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
21	LONDD	8	18	F	5
29	LATDD	8	18	F	5

NOTE: Items common to all TIC attribute tables: IDTIC, XTIC, YTIC, are not described
        here.

LONDD: Tic longitude in decimal degrees.

LATDD: Tic latitude in decimal degrees.

DATA QUALITY ASSESSMENT:

The following are subjective comments regarding this data.

The mapgrida coverage is accurate, and of great utility when digitizing
off USGS 7.5 minute quad sheets. Querying by quad name or longitude/
latitude is quick, and tics are ready to use.
Last update - addition of irregular quads along coast - February 1996.